

Door

Work Order ID 84445

May-11-12 3:25:24 PM

\*84445\*

~~U/R~~

Page 1

Item ID: D4488-3

Revision ID: ~~W/B~~ *AA*

Item Name: Clip

Accept

\*N9000040100\*

Setup Start \*NS1\*

Stop \*NS2\*

Start Date: 11/05/2012 Start Qty: 5.00

\*5\*

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 5.00

\*5\*

Customer:

Reference:

Approvals: Process Plan: *MLJ* Date: *12/05/11*

Tooling: Date:

Run Start \*NR1\*

QC: Date: SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D4488

*PA1*

*PB1*

*DAS 15 13.1.8*

**SCRAP**

*Scrap no longer required*

MATERIAL CERTIFICATION  
REQD UPON DELIVERY  
*08/12/08/12*

100

\*100\*

Waterjet

FLOW CNC Waterjet

*6061 .050*

FLOW WATER JET

Memo

1-Cut as per Dwg  
Dwg Rev: *PB1*  
Prog Rev: *PB1*  
2-Deburr if necessary

0.00

*5 0 JM 12-5-31*

110

\*110\*

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

0.00

*5 0 JM 12-5-31*

120

\*120\*

QC

Quality Control

QC8- Inspect parts - second check

Memo

0.00 *-inspected to PB1  
Dwg only.*

0.00 *012/05/13*

*AS*

POSITIVE  
DECAL

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 84445

**\*84445\***

Page 2

May-11-12 3:25:24 PM

Item ID: D4488-3

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID: U/R

Item Name: Clip

Stop **\*NS2\***

Start Date: 11/05/2012 Start Qty: 5.00

**\*5\***

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 5.00

**\*5\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

Bend as per dwg  
NC BRAKE

0.00

**\*130\***

Brake NC

Memo

0.00

Brake NC

140

0.00

**\*140\***

Small Fab

Memo

0.00

Small Fab

1- C'sink holes as per dwg

150

QC5- Inspect part completeness to step on W/O

0.00 - inspect to PB1

**\*150\***

QC

Memo

0.00

Quality Control

dry only  
5/12/06/06 (XS)



SB rlos/31

SB 12/06/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 84445

**\*84445\***

May-11-12 3:25:24 PM

Item ID: D4488-3

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID: U/R

Stop **\*NS2\***

Item Name: Clip

Start Date: 11/05/2012 Start Qty: 5.00

**\*5\***

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 5.00

**\*5\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

160

Chemical Conversion Coat per QSI005 4.1

0.00

**\*160\***

HandFinish

Memo

0.00

Hand Finishing

5 MG 12-6-11

170

Gloss Grey (4.3.5.15) per QSI005 4.3

0.00

**\*170\***

Powdercoat

Memo

0.00

Powder Coating

START TIME:  
OVEN TEMPERATURE:  
FINISH TIME:

PRIME 25 PER AVG  
TEMPERATURE  
4500 PB - 4015

AB 12-9-24 (5)

180

QC3-Inspect Part Finish

0.00

**\*180\***

QC

QC 14

Memo

0.00

Quality Control

inspects to PB1  
Dry only  
5-1-12/11



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Work Order ID 84445

\*84445\*

Page 4

May-11-12 3:25:24 PM

Item ID: D4488-3

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID: U/R

Item Name: Clip

Stop \*NS2\*

Start Date: 11/05/2012 Start Qty: 5.00

\*5\*

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 5.00

\*5\*

Customer:

Reference:

Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

190

Identify as per dwg & Stock Location: \_\_\_\_\_

0.00

\*190\*

Packaging

Memo

0.00

Packaging

⑤ 820026

200

QC21- Final Inspection - Work Order Release

0.00

\*200\*

QC

Memo

0.00

Quality Control

PD3392

POSITIVE RECALL

EFFECTIVE 20530 AUTO

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

May-11-12 3:25:28 PM

Page 1

Work Order ID: 84445

\*84445\*

Parent Item: D4488-3

\*D4488-3\*

Parent Item Name: Clip

Start Date: 11/05/2012

Required Date: 25/05/2012

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP REV:A 11.12.12 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M6061T6S.050

Purchased

No

100

sf

220.1640

0.012

0.063158

\*M6061T6S 050\*

\*\*

6061-T6 .050 Sheet

Location

Loc Qty

Loc Code

021

144

121192

144

MAT021

76.164

114799

61.164

114993

15

121192

JM  
12-5-31

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



DART AEROSPACE LTD		Work Order: 84445
Description: Clip		Part Number: 04408-3
Inspection Dwg: 04408	Rev: PBT	Page 1 of 1

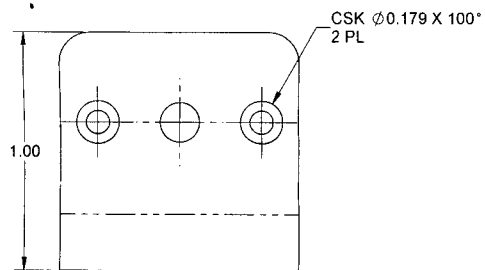
### FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

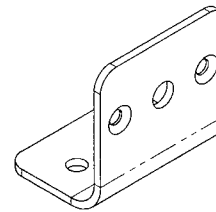
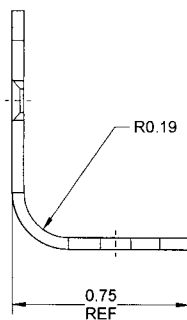
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Ø 0.129	+0.005 -0.001	0.129	✓		V	H/B-02
Ø 0.166	+0.005 -0.001	0.166	✓		V	
Ø 0.098	+0.005 -0.001	0.099	✓		V	
0.688	H-0.010	0.694	✓		V	
0.344	H-0.010	0.349	✓		V	
R0.13	H-0.030	0.13	✓		RG	
0.50	H-0.030	0.509	✓		V	
1.88	H-0.030	1.885	✓		V	
Bend 0.94	H-0.030	0.94	✓		V	
0.520	H-0.010	0.508	✓		V	
0.25	H-0.030	0.260	✓		V	
1.00	H-0.030	1.010	✓		V	
0.38	H-0.030	0.382	✓		V	
0.050	0.059 H-0.010	0.059	✓		V	

Measured by: JM	Audited by: S	Prototype Approval:	N/A
Date: 12-5-31	Date: 12/5/31	Date:	N/A

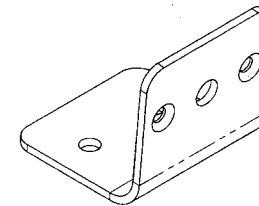
Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	



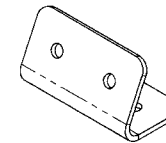
**D4488-1 CLIP**



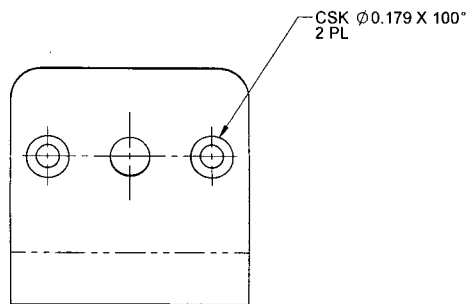
**D4488-1 CLIP**



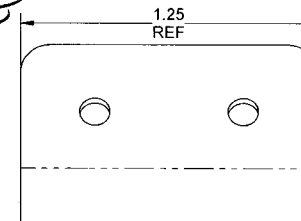
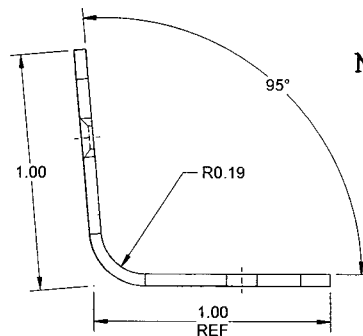
**D4488-3 CLIP**



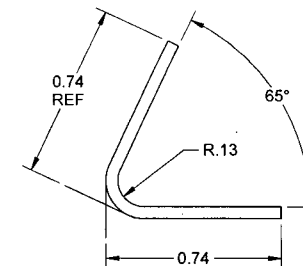
**D4488-5 ANGLE CLIP**



**D4488-3 CLIP**



**D4488-5 ANGLE CLIP**



**PRELIMINARY B1**  
12.05.10 (AJS)

**NOTES:**

- 1) MATERIAL -1: MAKE FROM D4488-1F  
-3: MAKE FROM D4488-3F  
-5: MAKE FROM D4488-5F
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER

NO. 84445 MW  
12/05/11

PB1	-5 REDESIGNED SEE REV A FOR DETAILS.	AJS	12.05.10
A	NEW ISSUE	AJS	12.03.02
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. PB1
MFG. APPR.		<b>D4488</b>	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		<b>CLIP</b>	NTS
DATE	12.05.10	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

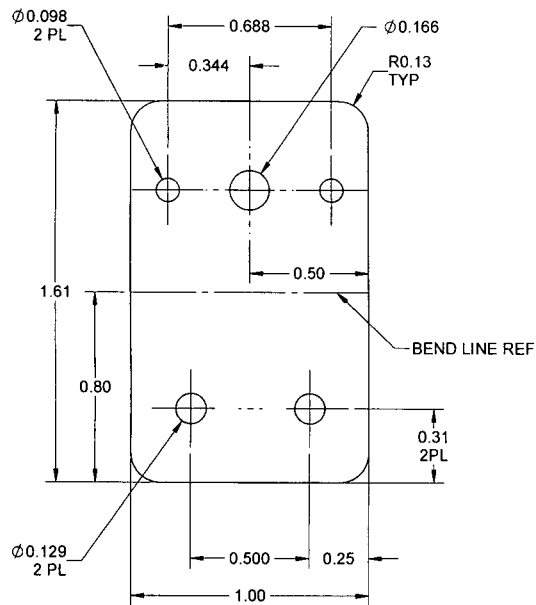
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

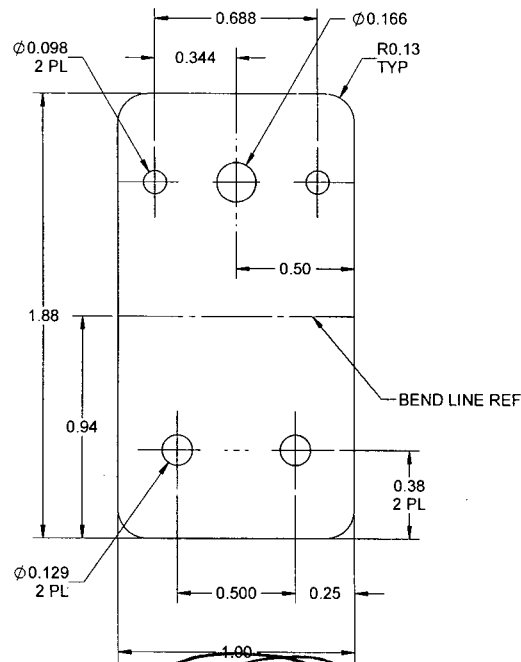
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

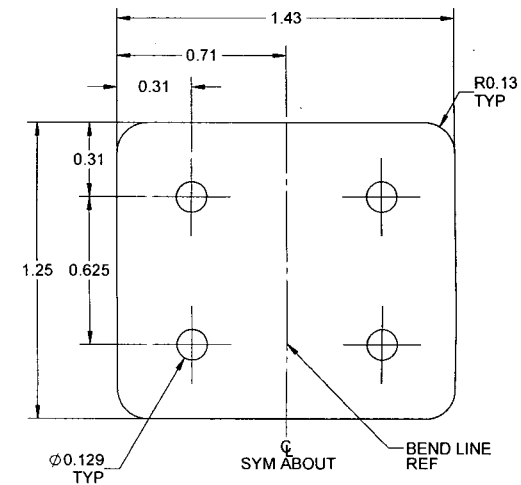
**NOTE:** Date & initial all entries



**D4488-1F CLIP**  
(FLAT PATTERN)



**D4488-3F CLIP**  
(FLAT PATTERN)



**D4488-5F ANGLE CLIP**  
(FLAT PATTERN)

**NOTES:**

- 1) MATERIAL -1 & -3: 6061-T6/T62 ALUMINUM SHEET, 0.050 THICK  
PER AMS 4025 OR AMS 4027 OR ASTM B209  
REF M6061T6S.060
- 5: 6061-T6/T62 ALUMINUM SHEET, 0.032 THICK  
PER AMS 4025 OR AMS 4027 OR ASTM B209  
REF M6061T6S.032
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

**PRELIMINARY B1**  
12.05.10 (AJS)

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PB1
MFG. APPR.		<b>D4488</b>	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		<b>CLIP</b>	NTS
DATE	12.05.10	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Receiving Report

Date: 12/03/28 Batch No: 121192  
 Supplier: magna stainless Dart P/O: 110503

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☐ No ☒ N/A ☐  
 QC6 Inspection OK 12/03/28 N/A ☒  
 Work Order \_\_\_\_\_ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
	DL204PT-extrusion	50	0		50	

Initials of receiver (if shipment OK) Level 12 SP

Production/Admin:

Date

Received/Costing

Initial

12/03/28  
SP

Location \_\_\_\_\_

# Purchase Order Receipt Listing

Page 1 of 2

August 27, 2012 11:23:32 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16503 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>VendorID\Vendor Name</b>											
			<b>VC-MAG002</b>	<b>Magna Stainless</b>							
PO16503	1		D6201P	f	4/06/12	4/19/12	50.0000	\$19.86	0.0000	0	\$993.21
CAD	No		T Extrusion 4X4X3/8	f	50.0000	DESJ02		\$993.21	0.0000	0	
			81421								
	2		M304S18GA	sf	3/26/12	3/28/12	96.0000	\$3.84	0.0000	0	\$368.53
	No		304/316 .050 Sheet	sf	96.0000	DESJ02		\$368.53	0.0000	0	
			121192								
	3		M304S20GA	sf	3/26/12	3/28/12	128.0000	\$2.89	0.0000	0	\$369.38
	No		304/316 .040 Sheet	sf	128.0000	DESJ02		\$369.38	0.0000	0	
			121192								
	4		M5052H32S.040	sf	3/26/12	3/28/12	64.0000	\$1.04	0.0000	0	\$66.86
	No		5052-H32 .040 Sheet	sf	64.0000	DESJ02		\$66.86	0.0000	0	
			121192								
	5		M6061T6B0.375X01.	f	3/26/12	3/28/12	20.0000	\$1.08	0.0000	0	\$21.65
	No		000								
			6061T6 BAR .375 x	f	20.0000	DESJ02		\$21.65	0.0000	0	
			1.00								
			121192								
	6		M6061T6B0.250X02.	f	3/26/12	3/28/12	20.0000	\$3.02	0.0000	0	\$60.41
	No		500								
			6061-T6 Bar 0.25 x	f	20.0000	DESJ02		\$60.41	0.0000	0	
			2.50								
			121192								
	7		M6061T6B30000X01	f	3/26/12	3/28/12	20.0000	\$10.42	0.0000	0	\$208.43
	No		.500								
			6061-T6 Bar 3.00 x	f	20.0000	DESJ02		\$208.43	0.0000	0	
			1.50								
			121192								
	8		M6061T6S.050	sf	3/26/12	3/28/12	160.0000	\$2.07	0.0000	0	\$330.50
	No		6061-T6 .050 Sheet	sf	160.0000	DESJ02		\$330.50	0.0000	0	
			121192								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAG002	Magna Stainless								
PO16503	9		M6061T6R1.000	f	3/26/12	3/28/12	40.0000	\$1.96	0.0000	0	\$78.54
CAD	No		ROUND BAR 1.00"	f	40.0000	DESJ02		\$78.54	0.0000	0	
			121192								
Total Received Quantity:											598.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$2,497.52
Total Balance Due Quantity:											0.0000



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



\*I057091\*

## PACKING LIST

Page 1 of 2

I057091

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

SPECIAL INSTRUCTIONS

\*\*\*\*\*STOCK\*\*\*\*

Contact: CHANTAL

Ship Terms: PREPAID

MTR:C

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		CHRISTINA ANTONIOU	(613) 632-5200	(613) 632-1053	16503	
Sales Order	Terms	Ship Via		Date Ordered	Date Required	Date Shipped
W063504	NET 30 DAYS	NIR:R-557065-1		03/26/12	03/28/12	03/28/12

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	ALUMINUM FLATS AFL 6061 T6 1-1/2" x 3" x R/L 20' 106 LB / 1 PC	L056006	14950	1
1		PC	MATERIAL MUST BE PER ASTM B221 AFL 6061 T6 3/8" x 1" x R/L 20' 9 LB / 1 PC	L058594	11120761A	1
1		PC	MATERIAL MUST BE PER ASTM B221 AFL 6061 T6 1/4" x 2-1/2" x R/L 20' 15 LB / 1 PC	L052697	11051062B	1
2		PC	ALUMINUM ROUND BAR ARB 6061 T6 1" x R/L 20' 37 LB / 2 PC	L053952	14273	2
5		PC	ALUMINUM SHEET ASH 6061 T6 .050" x 48" x 96" 115 LB / 5 PC	L040999	1670601	5
2		PC	MATERIAL MUST BE PER ASTM B209 ASH 5052 H32 .040" x 48" x 96" 37 LB / 2 PC	L060407	RB037-2	2

Date:

Signature:

80252201

DATE : 2007-10-09

PROD. REF. : 0000229598/005

NRBS

# Aleris

## Europe

CUSTOMER

 YOUR ORDER NUMBER  
 OUR ORDER NUMBER  
 DOCUMENT NUMBER

 inum Duffel BVBA  
 n 87, 2570 Duffel - Belgium

 DESCRIPTION : ALU SHEETS (STENC) AA 6061-T  
 DIMENSIONS : 96" X 48" X .05"  
 ARTICLE NO.:
ST  
MBER

CHEMICAL COMPOSITION (%)

	MIN	SI	FE	CU	MN	MG	CR
	MAX	0,40		0,15		0,8	0,04
		0,8	0,7	0,40	0,15	1,2	0,35
70601		0,66	0,4	0,18	0,09	0,9	0,14
OTHERS : EACH : MIN 0,05 MAX							
TOTAL : MIN 0,15 MAX							

## MECHANICAL PROPERTIES

 (T) = TRANSVERSAL (L) = LONGITUD  
 1 N/MM2 = 1 MPA = 0,1 HBAR = 0,102 KG/MM2 =  
 /A = REAR END /M = MIDDLE /V = FRONT END

	MIN	RM	RP02	A
	MAX	KSI	KSI	%
		42	35	10
A		49	41	15
M		48	41	16
V		48	41	16

Aluminum Duffel BVBA

**eris**  
Europe

3A  
1 - Belgium

TRETEMENT COIL NUMBER  
001 STENCILLING : WEEK 38 / YEAR 2007

ORATORY,  
LTJENS



rum Duffel BVBA

**CERTIFICAT DE CONFORMITE**  
**CERTIFICATE OF CONFORMANCE**

**DATE:** March 27, 2012

**COMPAGNIE / DART AEROSPACE LTD**  
**COMPANY:**  
**ATTENTION:**

**VOTRE/YOUR #:** 16503

**DATE DE LA COMMANDE / 03/26/12**  
**ORDER DATE:**

**NOTRE / OUR #:** 1057091

<u>DESCRIPTION</u>		<u>QUANTITE/QUANTITY</u>	<u>SPECIFICATIONS</u>
<b>TYPE:</b>	6061 T6	5 PC	ASTM B209
<b>SIZE:</b>	.050" X 48" X 96"		
<b>HEAT #:</b>	1670601		



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



\*1057091\*

## PACKING LIST

Page 1 of 2

I057091

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

### SPECIAL INSTRUCTIONS

\*\*\*\*STOCK\*\*\*\*

Contact: CHANTAL

Ship Terms: PREPAID

MTR:C

Contact: CHANTAL		Ship Terms: PREPAID				
Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		CHRISTINA ANTONIOU	(613) 632-5200	(613) 632-1053	16503	
Sales Order		Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W063504		NET 30 DAYS	NIR:R-557065-1	03/26/12	03/28/12	03/28/12

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	ALUMINUM FLATS AFL 6061 T6 1-1/2" x 3" x R/L 20' 106 LB / 1 PC ✓	L056006	14950	1
1		PC	MATERIAL MUST BE PER ASTM B221 AFL 6061 T6 3/8" x 1" x R/L 20' 9 LB / 1 PC ✓	L058594	11120761A	1
1		PC	MATERIAL MUST BE PER ASTM B221 AFL 6061 T6 1/4" x 2-1/2" x R/L 20' 15 LB / 1 PC ✓	L052697	11051062B	1
2		PC	ALUMINUM ROUND BAR ARB 6061 T6 1" x R/L 20' 37 LB / 2 PC ✓	L053952	14273	2
5		PC	ALUMINUM SHEET ASH 6061 T6 .050" x 48" x 96" 115 LB / 5 PC ✓	L040999	1670601	5
2		PC	MATERIAL MUST BE PER ASTM B209 ASH 5052 H32 .040" x 48" x 96" 37 LB / 2 PC ✓	L060407	RB3037-2	2
			MATERIAL MUST BE PER ASTM B209			

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_



DOC : V/0080252201

DATE : 2007-10-09

PROD. REF. : 0000229598/005

NRBST : 16344/05

PAGE : 1/ 2

INSPECTION CERTIFICATE



CUSTOMER :

YOUR ORDER NUMBER : 403927-IMP  
OUR ORDER NUMBER : 16344/05  
DOCUMENT NUMBER : V/0080252201

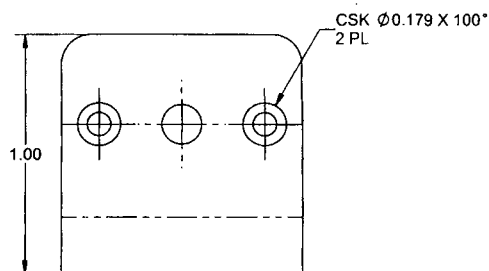
Aleris Aluminum Duffel BVBA  
A. Stoctaen 87, 2570 Duffel - Belgium

DESCRIPTION : ALU SHEETS (STENC) AA 6061-T6 AMS-QQA 250/11 AMS 4027M ASTM B209-04  
DIMENSIONS : 96" X 48" X .05"  
ARTICLE NO. :

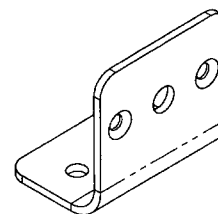
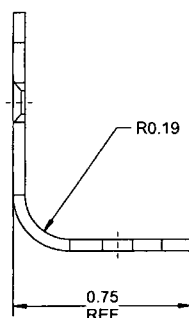
COIL NUMBER	CAST NUMBER	CHEMICAL COMPOSITION (%)								
		MIN	SI 0,40	FE	CU 0,15	MN	MG 0,8	CR 0,04	TI	ZN
		MAX	0,8	0,7	0,40	0,15	1,2	0,35	0,15	0,25
001	1670601		0,66	0,4	0,18	0,09	0,9	0,14	0,02	0,01
OTHERS : EACH : MIN 0,05 MAX										
TOTAL : MIN 0,15 MAX										

MECHANICAL PROPERTIES				
TEST- NUMBER		(T) = TRANSVERSAL	(L) = LONGITUDINAL	
		1 N/MM2 = 1 MPA = 0,1 HBAR = 0,102 KG/MM2 = 0,145 KSI		
	/A = REAR END	/M = MIDDLE	/V = FRONT END	/O = RANDOM SAMPLING
	MIN	RM KSI	RP02 KSI	A %
	MAX	42	35	10
001	/A	49	41	15
001	/M	48	41	16
001	/V	48	41	16

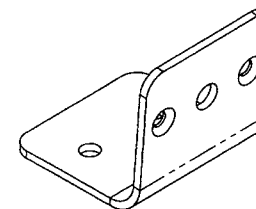
Aleris Aluminum Duffel BVBA



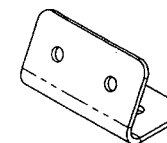
**D4488-1 CLIP**



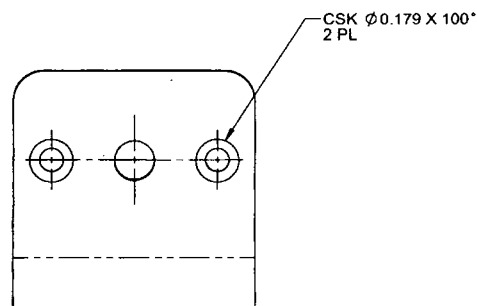
**D4488-1 CLIP**



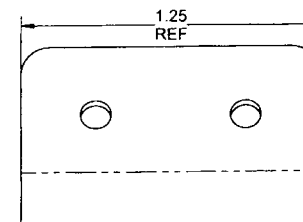
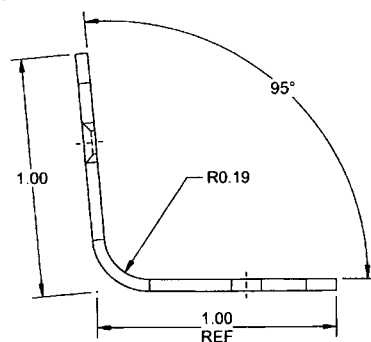
**D4488-3 CLIP**



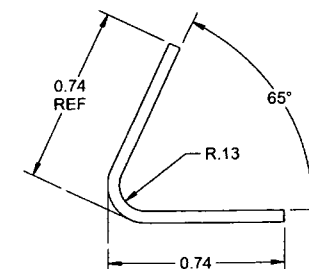
**D4488-5 ANGLE CLIP**



**D4488-3 CLIP**



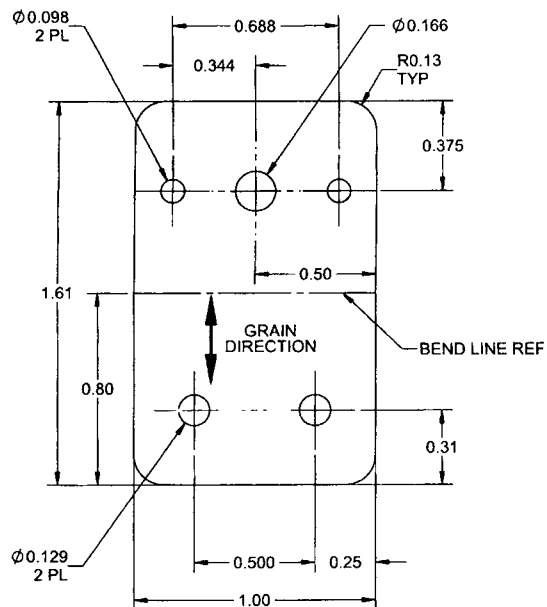
**D4488-5 ANGLE CLIP**



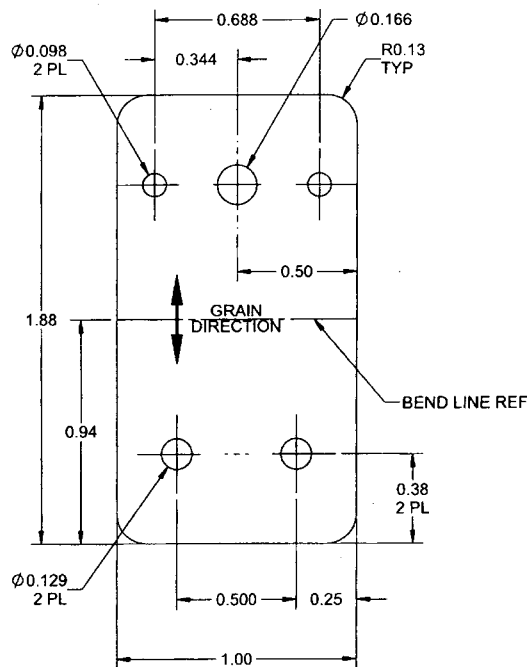
RELEASED  
2012-09-26

- NOTES:**
- 1) MATERIAL -1: MAKE FROM D4488-1F  
-3: MAKE FROM D4488-3F  
-5: MAKE FROM D4488-5F
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
PRIME TEMPO GREY (4.2.1.3.2) PER DART QSI005 4.2
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.01 lbsEA

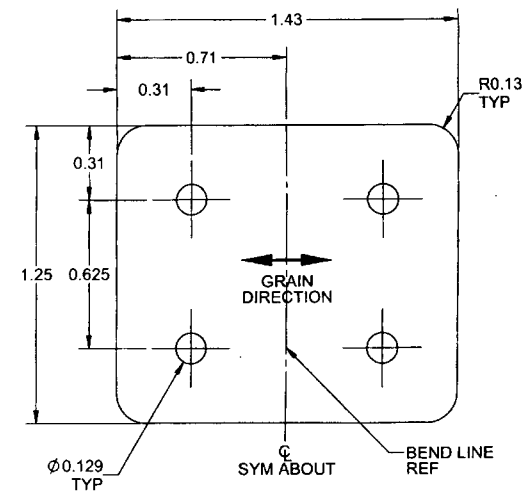
B	-1/-5 REDESIGNED SEE REV A FOR DETAILS. ADDED PRIMER NOTE	AJS	12.09.11
A	NEW ISSUE	AJS	12.03.02
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	A.P.	DRAWING NO.	REV. B
MFG. APPR.		D4488	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		CLIP	NTS
DATE	12.09.11	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**D4488-1F CLIP**  
(FLAT PATTERN)



**D4488-3F CLIP**  
(FLAT PATTERN)






**D4488-5F ANGLE CLIP**  
(FLAT PATTERN)

**NOTES:**

- 1) MATERIAL -1 & -3: 6061-T6/T62 ALUMINUM SHEET, 0.050 THICK  
PER AMS 4025 OR AMS 4027 OR ASTM B209  
REF M6061T6S.050
- 5: 6061-T6/T62 ALUMINUM SHEET, 0.032 THICK  
PER AMS 4025 OR AMS 4027 OR ASTM B209  
REF M6061T6S.032
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

RELEASED  
2012-09-18  
MP

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	A.P.	DRAWING NO.	REV. B
MFG. APPR.		D4488	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		CLIP	NTS
DATE	12.09.11	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	